



EXPRESS MAIL LABEL NO.: EV218961070US

PATENT APPLICATION  
Docket No. 14917.1.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

James E. Moon, et al.

Serial No.: 09/698,329

) Art Unit  
1743

Filed: October 27, 2000

For: INTEGRATED MONOLITHIC MICROFABRICATED  
ELECTROSPRAY AND LIQUID  
CHROMATOGRAPHY SYSTEM AND METHOD

Confirmation No.: 8664

Examiner: Arlen Soderquist

**CERTIFICATE OF EXPRESS MAIL UNDER 37 C.F.R. § 1.10**

I hereby certify that the following documents are being deposited with the United States Postal Service as Express Mail, postage prepaid, in an envelope addressed to: Box RESPONSES, Commissioner for Patents, Washington, DC 20231, on the 2<sup>nd</sup> day of December, 2002.

- Transmittal for Amendment and Response to Office Action dated September 18, 2002
- Amendment and Response to Office Action dated September 18, 2002
- Postcard

Respectfully submitted,

David O. Seeley  
Attorney for Applicants  
Registration No. 30,148



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PATENT TRADEMARK OFFICE

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Serial No.: 09/698,329

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# WORKMAN NYDEGGER & SEELEY

ATTORNEYS AT LAW

A PROFESSIONAL CORPORATION

1000 EAGLE GATE TOWER

60 EAST SOUTH TEMPLE

SALT LAKE CITY, UTAH 84111

TELEPHONE (801) 533-9800

FACSIMILE (801) 328-1707

RICK D. NYDEGGER  
DAVID O. SEELEY  
BRENT P. LORIMER  
THOMAS R. VUKSINICK  
LARRY R. LAYCOCK  
JONATHAN W. RICHARDS  
DAVID R. WRIGHT  
JOHN C. STRINGHAM  
JOHN M. GUYN  
CHARLES L. ROBERTS  
GREGORY M. TAYLOR  
DANA L. TANGREN  
ERIC L. MASCHOFF  
CHARLES J. VEVERKA  
ROBYN L. PHILLIPS  
RICHARD C. GILMORE†  
DAVID B. DELLENBACH  
R. BURNS ISRAELSEN  
DAVID R. TODD  
L. DAVID GRIFFIN

JESÚS JUANÓS I TIMONEDA, PH.D.  
ADRIAN J. LEE  
FRASER D. ROY  
CARL T. REED  
R. PARRISH FREEMAN, JR.  
PETER F. MALEN, JR.  
L. REX SEARS, Ph.D.  
ERIC M. KAMERATH  
ROBERT E. AYCOCK  
JENS C. JENKINS  
KEVIN W. STINGER  
WILLIAM J. ATHAY  
MICHAEL B. DODD  
WILLIAM R. RICHTER  
TRENT H. BAKER  
RYAN D. BENSON  
SARA D. JONES  
TIGE KELLER

† ADMITTED ONLY IN CALIFORNIA

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MAILING ADDRESS:  
P.O. BOX 45862  
SALT LAKE CITY, UT 84145

INTERNET

HOME PAGE: <http://www.wnspatent.com>  
GENERAL E-MAIL: info@wnspatent.com

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Examiner: Arlen Soderquist

Box: RESPONSES: NO FEE

Commissioner for Patents

Washington, DC 20231

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DEC 05 2002 ) Art Unit  
TC 1700 ) 1743

### TRANSMITTAL FOR AMENDMENT AND RESPONSE TO OFFICE ACTION DATED SEPTEMBER 18, 2002

Sir:

Transmitted herewith is an Amendment and Response to Office Action dated September 18, 2002 for entry in the above-identified application.

To render the transmitted Amendment and Response timely filed enclosed are the following:

A Certificate of Express Mail Under 37 C.F.R. § 1.10.

Commissioner for Patents  
Page 2.

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The fee has been calculated as follows:



			SMALL ENTITY		LARGE ENTITY	
CLAIMS REMAINING AFTER	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDT'L FEE	RATE	ADDT'L FEE
TOTAL	1 MINUS 20	= 0	X9		X18	\$0.00
INDEPENDENT	1 MINUS 3	= 0	X42		X84	\$0.00
1 <sup>st</sup> PRESENTATION OF MULTIPLE DEPENDENT CLAIM			+140=		+280=	
			<b>TOTAL</b>		<b>TOTAL</b>	<b>\$0.00</b>

- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-3178.
- Any filing fees under 37 CFR 1.16 for the presentation of extra claims.
- Any patent application processing fees under 37 CFR 1.17.
- A duplicate copy of this transmittal letter is attached.

Dated this 2<sup>nd</sup> day of December 2002.

Respectfully submitted,

David O. Seeley  
Attorney for Applicant  
Registration No.: 30,148



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T/11C  
12.10.02

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Examiner:

Arlen Soderquist

**AMENDMENT AND RESPONSE TO OFFICE ACTION**  
**DATED SEPTEMBER 18, 2002**

Box: RESPONSES  
Commissioner for Patents  
Washington, DC 20231

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Dear Sir:

Responsive to the Office Action mailed September 18, 2002, in connection with the above-identified application, Applicants request that the following amendments be entered and the associated remarks be considered:

In the Specification:

Please replace the paragraph bridging pages 8 and 9 with the following paragraph:

In all of the above-described devices, edge-spraying from a microchip is a poorly controlled process due to the inability to rigorously and repeatedly determine the physical form of the chip's edge. In another embodiment of edge-spraying, ejection nozzles, such as small segments of drawn capillaries, are separately and individually attached to the chip's